



**PORTION FOR ADMISSION TEST 2020-21 (FOR NON DPS STUDENTS ONLY)**

**STD: XI**

**ENGLISH**

1. Tenses, Modals, Use of Passive voice, Subject verb agreement, reporting (Commands and request / Statement / Questions), Clauses, Determiners, Prepositions, Conjunctions.
2. Reading (Comprehension).
3. Formal Letter (Complaint/ Enquiry/ Placing Orders/ Letter to editor).

**MATHS**

1. Algebra (Quadratic Equation, Arithmetic Progressions)
2. Trigonometry: Heights & Distances
3. Surface Areas and Volumes
4. Areas Related to Circles
5. Probability
6. Coordinate Geometry.

**BIOLOGY**

1. Life Processes
2. Control and coordination
3. How do Organisms Reproduce?
4. Heredity and Evolution
5. Our Environment

**CHEMISTRY**

1. Type of Chemical Reaction
2. Acid Bases and Salt
3. Metals and Non metals
4. Carbon and compounds
5. Periodicity in Properties (Periodic Table)

**HISTORY**

1. First World War
2. Second World War
3. 1857 to 1947 National Movement

**ECONOMICS**

1. Productive Method (Land, Lab. Capital and Entrepreneur)
2. Theory of Demand and Supply
3. Market
4. Banking in India
5. Inflation
6. Growth and Development
7. Sector of Indian Economy
8. Money and credit
9. Globalisation and the Indian Economy.

**PHYSICS**

**CURRENT ELECTRICITY**

Electric current, potential, OHM'S LAW, Resistance: factors on which it depends and series and parallel combination, electric circuits, heating effect and magnetic effect of current. Force on a current carrying conductor. Electromagnetism. Generator and motor.

**LIGHT**

Reflection of light. Plane and spherical mirrors. Mirror equation and magnification. Refraction, laws and refractive index: refraction through glass slab and prism, convex and concave lens, ray diagrams, lens equation, magnification. Dispersion of light. Atmospheric refraction. Human eye: its defects: causes and remedies.

**GEOGRAPHY**

1. Resources Development
2. Water Resources
3. Forest & Wildlife
4. Agriculture
5. Mineral Resources of India
6. Industries of India
7. Lifelines of our Economy